

盈江兜兰，中国兰科一新杂种

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摘要: 对我国兰科新杂种盈江兜兰 (*Paphiopedilum × yingjiangense*) 进行了描述和绘图。该植物可能是紫毛兜兰 (*P. villosum*) 与彩云兜兰 (*P. wardii*) 之间的天然杂种。它与前者的区别在于叶上面有轻微的深浅绿色网斑, 花淡黄绿色并在花瓣上和中萼片下半部有黑紫色细斑点, 以及退化雄蕊宽卵圆形, 其中央不具脐状突起; 与后者的区别在于叶较长, 上面不具明显的深浅蓝绿色斑, 背面亦无密集的紫色斑点, 花明显较大, 以及退化雄蕊为宽卵圆形。

关键词: 盈江兜兰; 新杂种; 中国

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Paphiopedilum × yingjiangense, a New Hybrid of Orchidaceae from China

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Abstract: *Paphiopedilum × yingjiangense* Z . J . Liu et S . C . Chen, a new hybrid from China, is described and illustrated . This entity may be a natural hybrid between *Paphiopedilum villosum* and *P. wardii* . It differs from the former by having obscurely deep and light green nets on upper surface of leaves, a pale yellow-green flower with fine dark purple spots on petals and lower part of dorsal sepal and broadly ovate-orbicular staminode without a central glossy knob; from the latter by longer leaves not obviously mottled pale and dark bluish green above nor densely spotted purple below, a much larger flower, and a broadly ovate-orbicular staminode .

Key words: *Paphiopedilum × yingjiangense*; New hybrid; China

2003年1月中旬, 第一作者到云南省盈江县寻找彩云兜兰 *Paphiopedilum wardii* 的野生居群时, 看到了另一种兜兰, 生于林中岩石上。该植物有两丛, 每丛5个植株, 共同簇生于一个短的根状茎上。每一个植株有3~7片叶; 叶有轻微的深浅绿色疏斑, 叶背具模糊的浅紫色斑, 基部紫红色。

该植物被带回移植于国家兰科植物种质资源保护中心后, 于2004年2月初开花。花的形态似乎介于紫毛兜兰 *Paphiopedilum villosum* (Lindl.) Stein 与彩云兜兰 *P. wardii* Summerh. 之间。花的大小、形状以及退化雄蕊都接近紫毛兜兰, 所不同的是花瓣与中萼片下半部有黑紫色细斑点, 退化雄蕊中央无脐状突起; 但在色泽方面更接近彩云兜兰, 只是斑点较细小, 而且花明显较大, 退化雄蕊宽

卵圆形等有所不同。叶的情况也介于两者之间, 有模糊的深浅绿色网斑。因此, 我们认为它可能是紫毛兜兰与彩云兜兰之间的天然杂种, 该两种兜兰也见于云南西部。

盈江兜兰 新杂种 图1: 1~4

Paphiopedilum × yingjiangense Z . J . Liu et S . C . Chen,
hybr . nov . Fig . 1 : 1 - 4

Type: China, Yunnan, Yingjiang county (盈江县),
Tongbiguan (铜壁关), alt . 1 700, 18 January 2005, Z . J .
Liu (刘仲健) 2128 (holotype, SZWN) (SZWN = Herbarium,
Shenzhen City Wutongshan Nurseries, China) .

Hybrida naturalis e *Paphiopedilum villosum* et *P. wardii exota*,
ex illo foliis supra leviter atroviridi- et viridulo-tessellatis, flora
pallide flavo-viridi et in petalis et dimidio inferiore sepali dorsalis

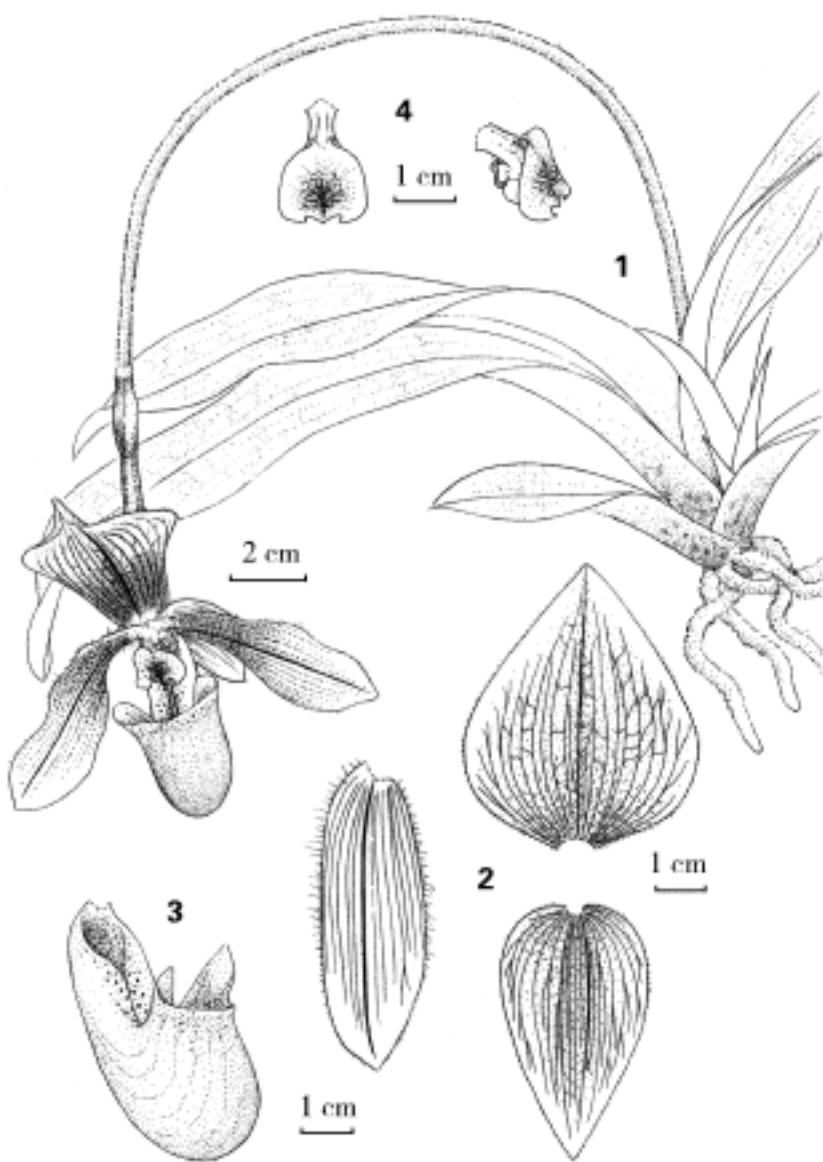


图 1 盈江兜兰 1. 带花植株; 2. 中萼片、花瓣与合萼片，背面观；3. 唇瓣；4. 退化雄蕊

Fig. 1 *Paphiopedilum × yingjiangense* Z. J. Liu et S. C. Chen
1. Flowering plant; 2. Dorsal sepal, petal and synsepals,
back view; 3. Lip; 4. Staminode

minute atropurpureo-punctata, staminodio late ovato-orbiculari, e hoc foliis longioribus supra non manifeste atroviridi- et viridulo-tessellatis et infra nec dense purpureo-punctatis, flora multo majore, staminodio late ovato-orbiculari differt.

Rhizome short. Leaves 3 - 7 in two rows, obscurely with deep and light green nets above, pale green and very obscurely mottled pale purple below, with purple spots toward the abaxial base, 15 - 23 × 3.5 - 4.5 cm, base contracted into a petiole-like, conduplicate stalk 2 - 3.5 cm long. Scape suberect to arching, purple-brown, 25 - 30 cm long, densely purple-hairy, with a terminal flower; floral bract subovate, 2 - 3 cm long, green, minutely hairy abaxially; pedicel and ovary 5.5 - 8 cm long, green with purple-brown ribs, pubescent; flower 9.5 - 10.5 cm across, pale yellow-green, with dark purple longitudinal veins and a broad midvein on dorsal sepal and petals, many fine spots of the same color on petals, lower half of dorsal sepal and inner surface of lip; and green veins on synsepals; dorsal sepal broadly ovate to suborbicular, 5.3 - 5.8 × 4 - 4.7 cm, apex acute, pubescent abaxially, ciliate; synsepals subovate, 4 - 4.5 × 2.3 - 3 cm, minutely hairy abaxially; petals suboblong, 4.5 - 6.2 × 1.8 - 2.1 cm, slightly twisted, lower half undulate-margined, apex shortly acuminate, purple-villose toward adaxial base, purple-ciliate; lip

helmet-shaped, base with a broad stalk 2 - 2.5 cm long; sac sub-ovoid-ellipsoid, 2.5 - 3 × 2 - 2.5 cm, ciliate, with a very broad mouth and two erect auricles on its both sides, hairy at inner bottom; staminode broadly ovate-orbicular, ca. 1.3 × 1.5 cm, apex somewhat mucronate, pale yellow-green, with a deep green center. Fl. February-April.

Habitat: On rock in forest; alt. 1700 m.

Distribution: Only found in type locality (Yunnan, Yingjiang county).

Notes: This entity may be a natural hybrid between *Paphiopedilum villosum* and *P. wardii*. It differs from the former by having only obscurely deep and light green nets on upper surface of leaves, a pale yellow flower with fine dark purple spots on petals and lower half of dorsal sepal, and a broadly ovate-orbicular staminode without a central glossy knob; from the latter by longer leaves not obviously mottled pale and dark bluish green above nor densely spotted purple below, a much larger flower and a broadly ovate-orbicular (not obcordate-lunar) staminode.

根状茎短。叶3~7枚，排成二列，上面具模糊的深浅绿色网斑，下面浅绿色，并有模糊的浅紫色斑，在基部有紫色斑点，长15~23 cm，宽3.5~4.5 cm，基部收窄而成长2~3.5 cm的对褶柄。花葶近直立或外弯，紫褐色，长25~30 cm，密被紫毛，顶生1花；花苞片近卵形，长2~3 cm，绿色，背面被细毛；花梗与子房长5.5~8 cm，绿色。有紫褐色肋，被短柔毛；花直径9.5~10.5 cm，浅黄绿色；中萼片与花瓣上有暗紫色纵脉和1条粗中脉；花瓣、中萼片下半部和唇瓣内表面具黑紫色细斑点；合萼片具绿色脉；中萼片宽卵形至近圆形，长5.3~5.8 cm，宽4~4.7 cm，先端急尖，背面被短柔毛，边缘有缘毛；合萼片近卵形，长4~4.5 cm，宽2.3~3 cm，背面被细柔毛；花瓣近矩圆形，长4.5~6.2 cm，宽1.8~2.1 cm，稍扭曲，下半部边缘波状，先端短渐尖，上面基部有紫色长柔毛，边缘有紫缘毛；唇瓣盔形，基部具长2~2.5 cm的宽阔的柄；囊近倒卵形状椭圆形，长2.5~3 cm，宽2~2.5 cm，边缘有缘毛，口部十分宽阔，其两侧具直立的耳，囊内底部有毛；退化雄蕊宽卵圆形，长约1.3 cm，宽1.5 cm，先端略有短尖，浅黄绿色，中央深绿色。花期2~4月。

生境：生于林中岩石上；海拔1700 m。

分布：仅见于模式标本产地（云南盈江县）。

说明：此种植物可能是紫毛兜兰（*Paphiopedilum villosum*）与彩云兜兰（*P. wardii*）之间的天然杂种。它与前者的区别在于：叶上表面只具模糊的深浅绿色网斑，花浅黄绿色，在花瓣与中萼片下半部具黑紫色的细斑点，以及退化雄蕊宽卵圆形，其中央不具脐状突起；与后者的区别为：叶较长，上面不具明显的深浅蓝绿色斑，下面也无密集的紫色斑点，花明显较大，退化雄蕊宽卵圆形（非倒心状新月形）。